

FIG. 1

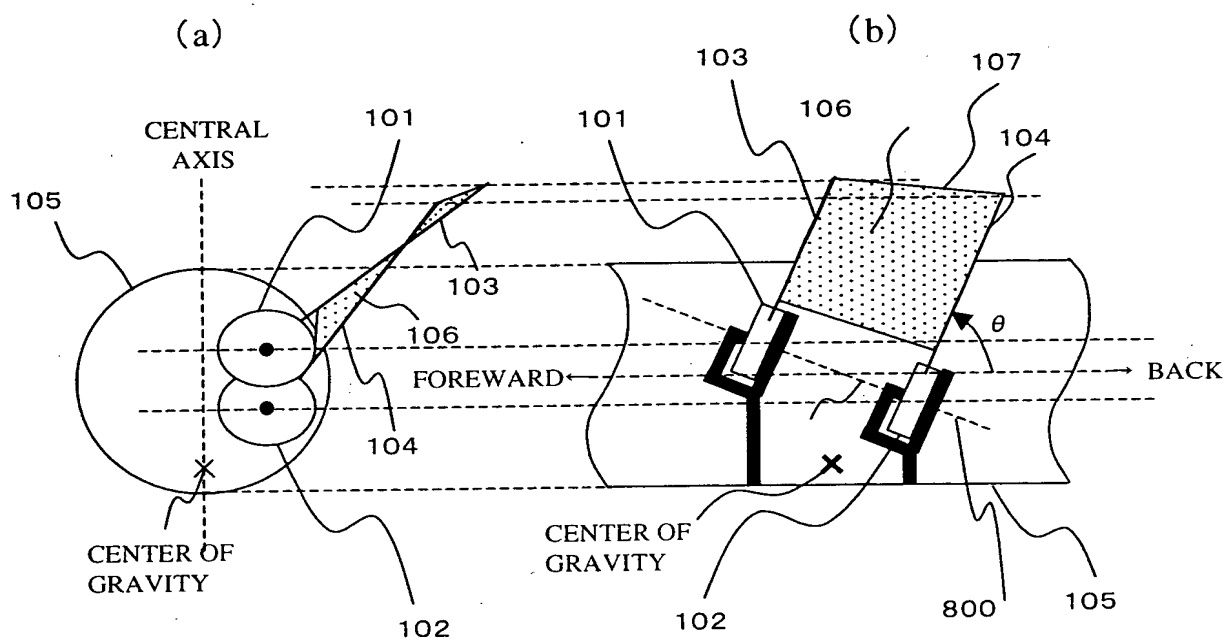


FIG.2

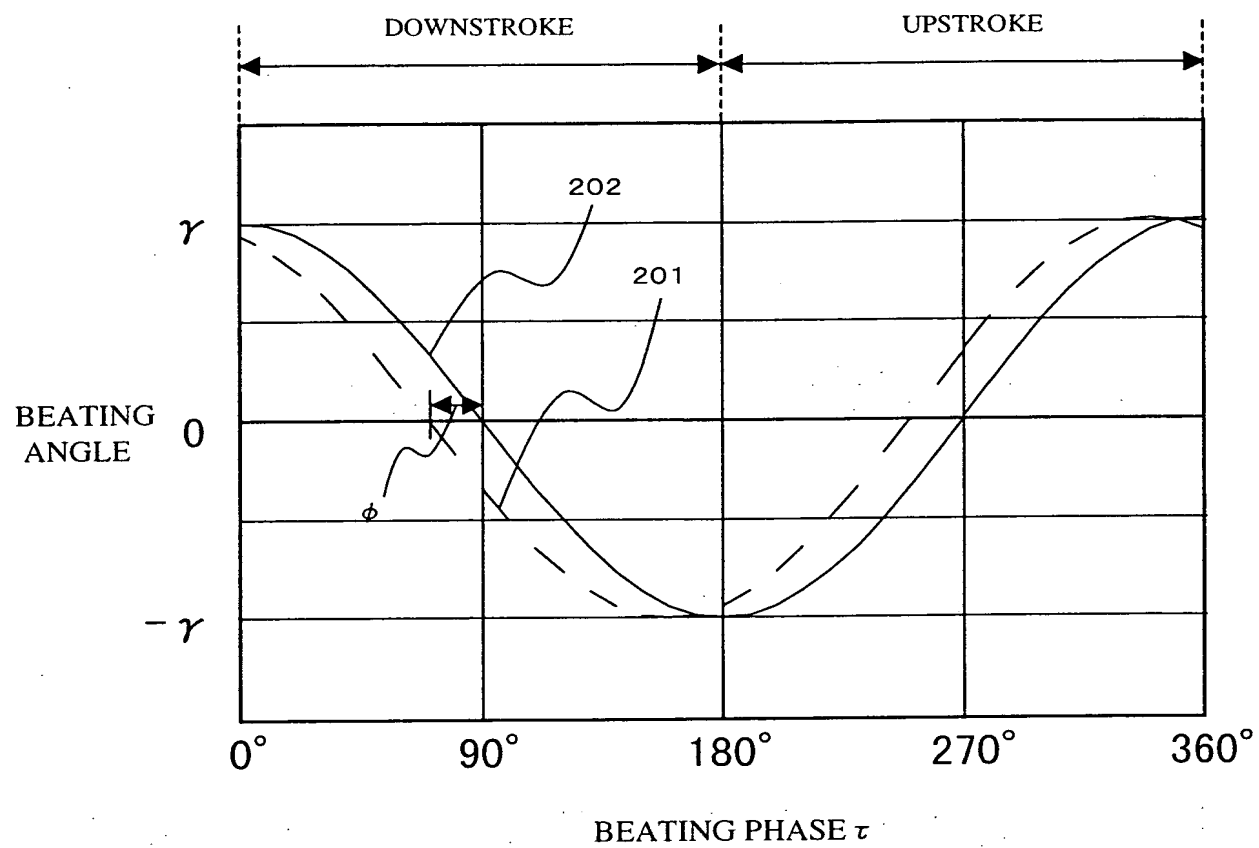


FIG.3

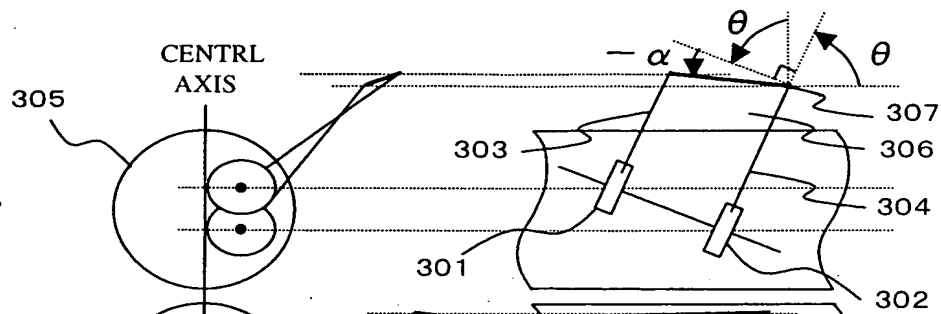
 $\tau = 0^\circ$ 

FIG.4

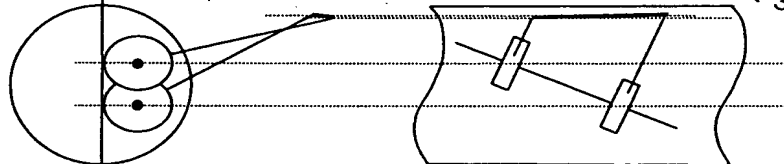
 $\tau = 45^\circ$ 

FIG.5

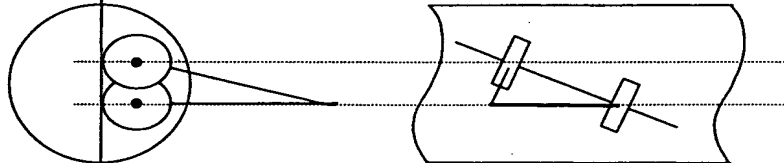
 $\tau = 90^\circ$ 

FIG.6

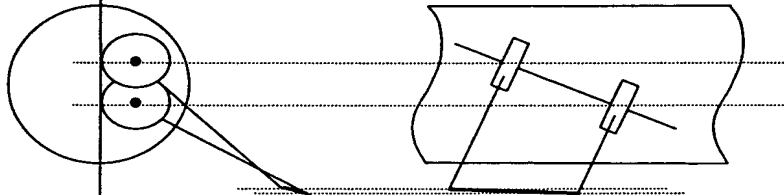
 $\tau = 135^\circ$ 

FIG.7

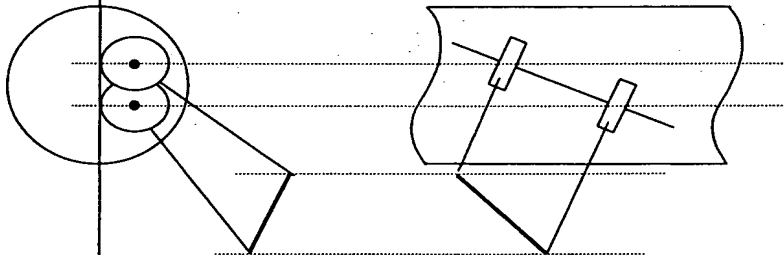
 $\tau = 180^\circ$ 

FIG.8

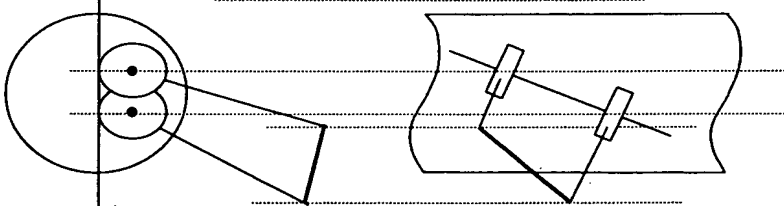
 $\tau = 225^\circ$ 

FIG.9

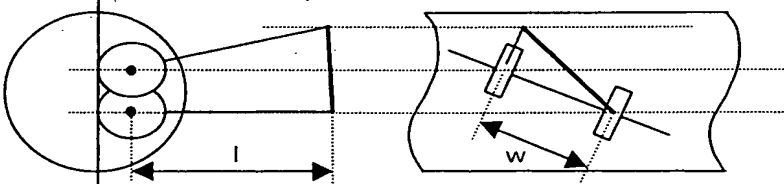
 $\tau = 270^\circ$ 

FIG.10

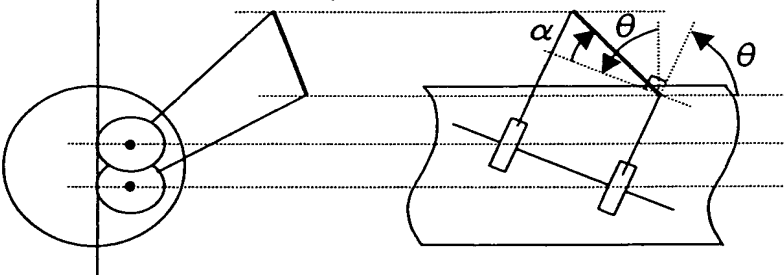
 $\tau = 315^\circ$ 

FIG.11

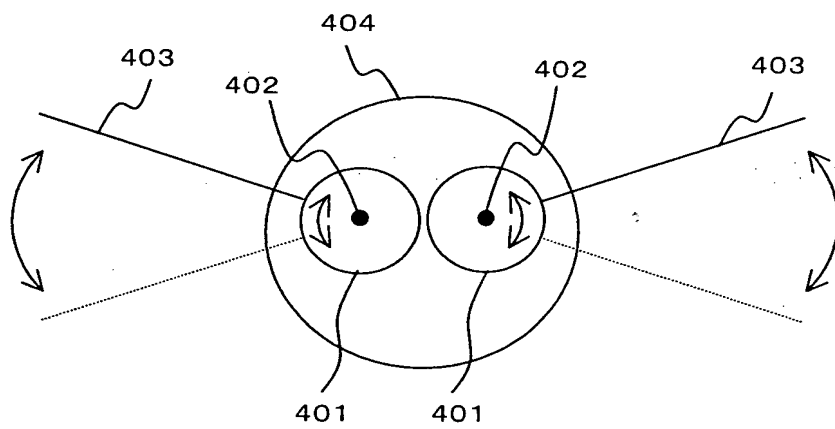


FIG.12

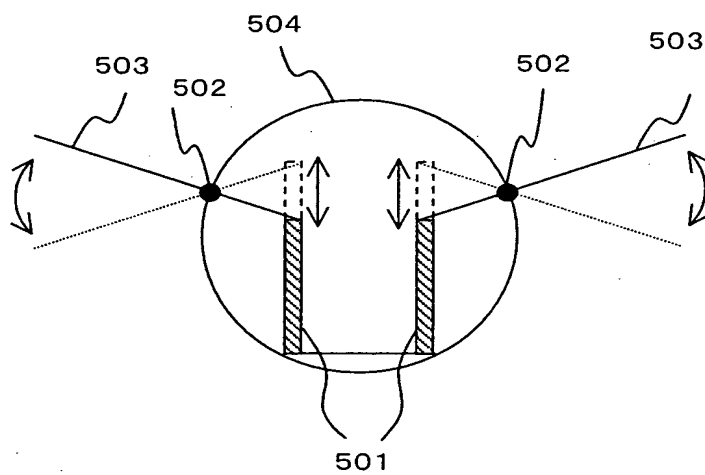


FIG.13

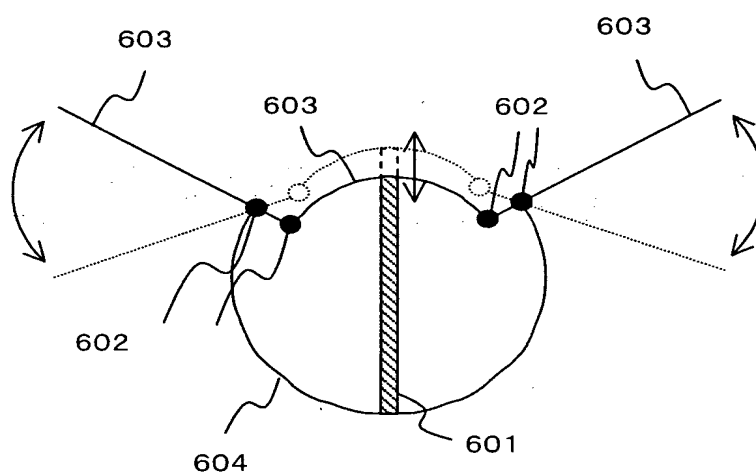


FIG.14

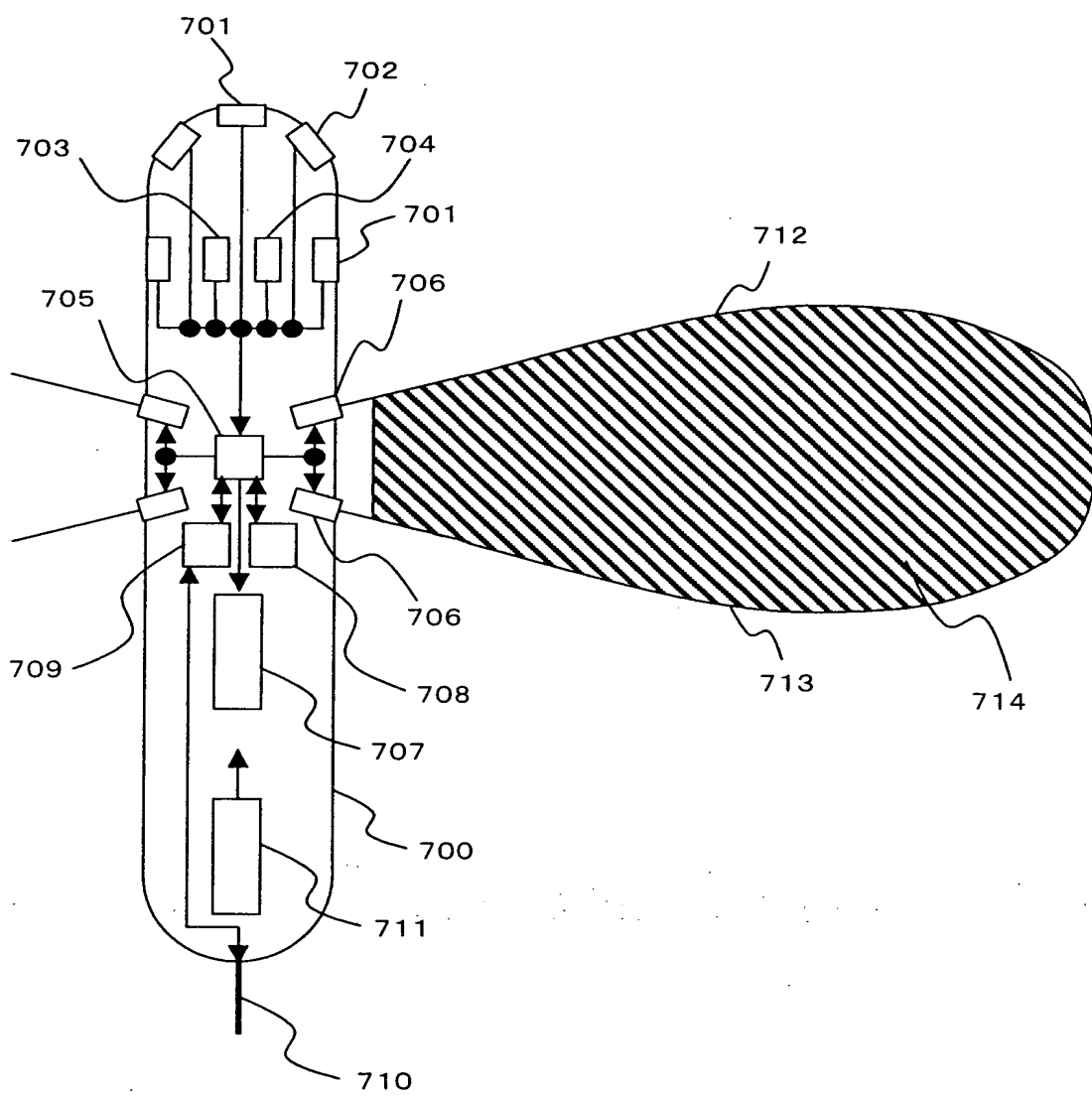


FIG.15

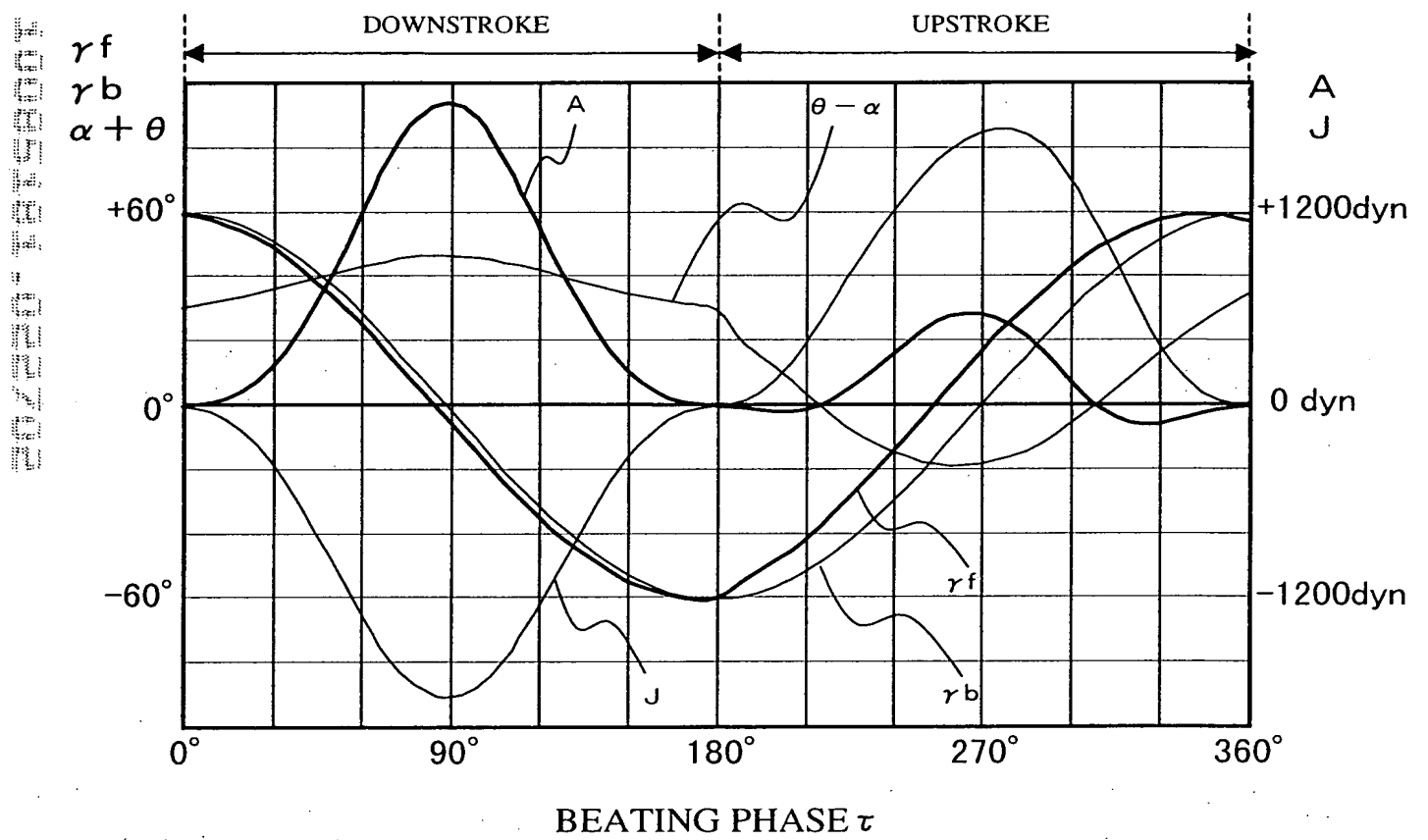
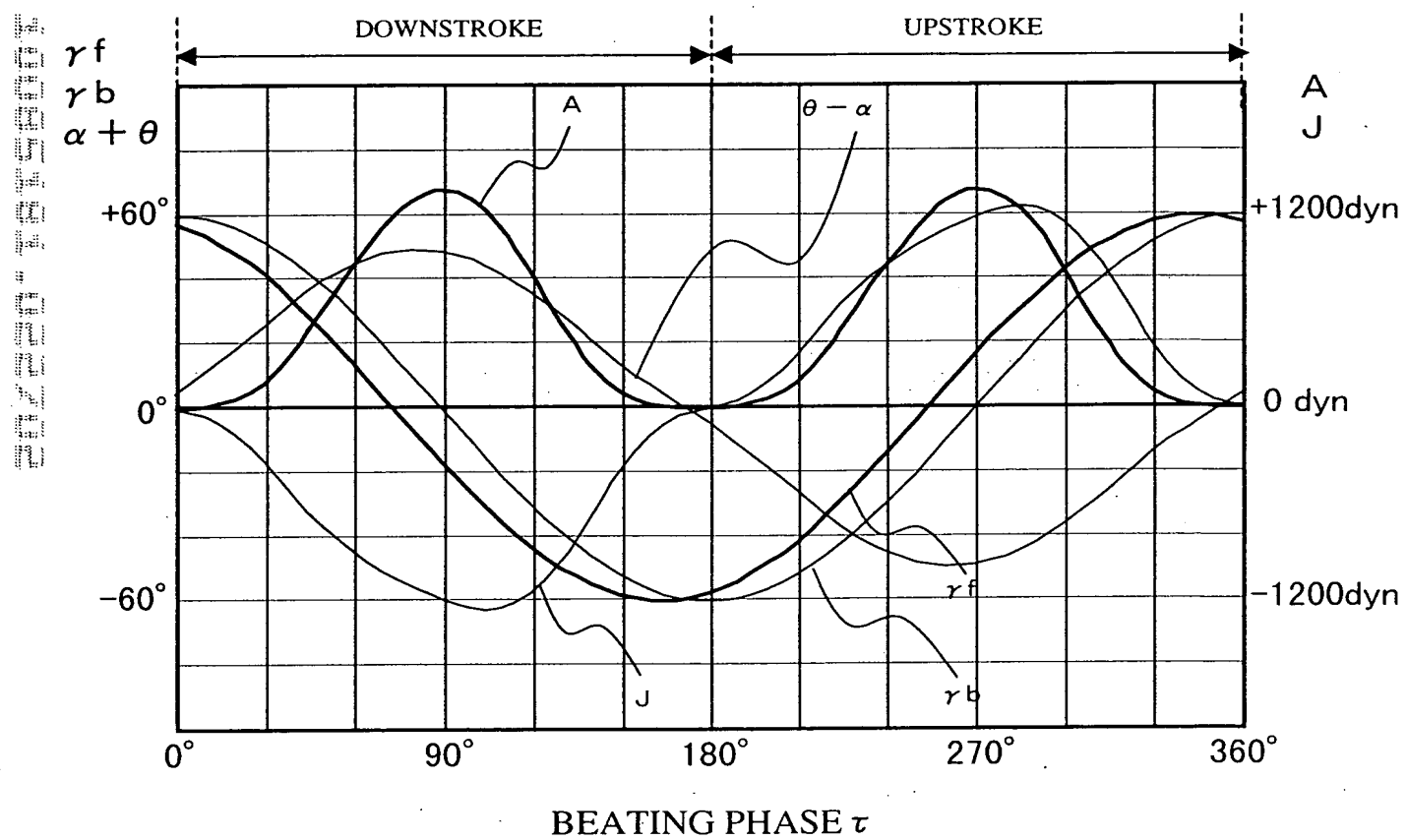




FIG.16



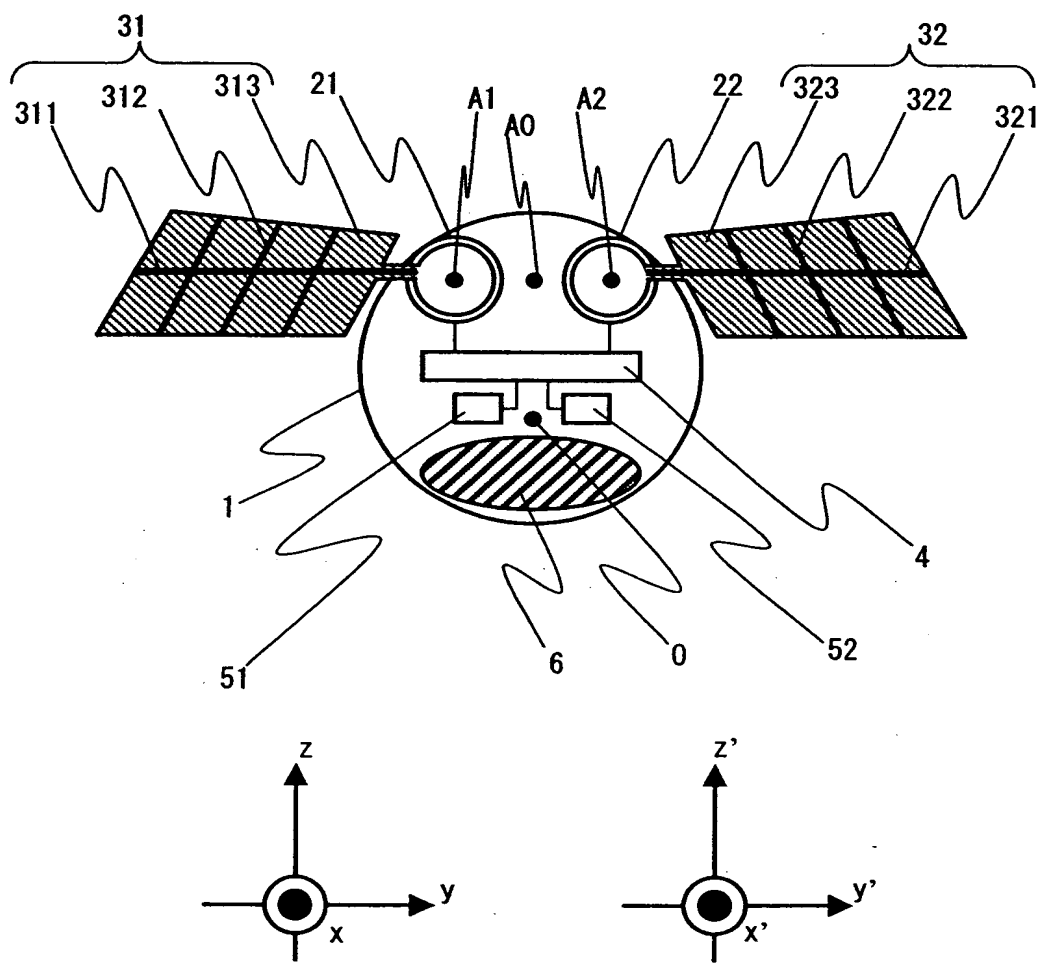


FIG. 17

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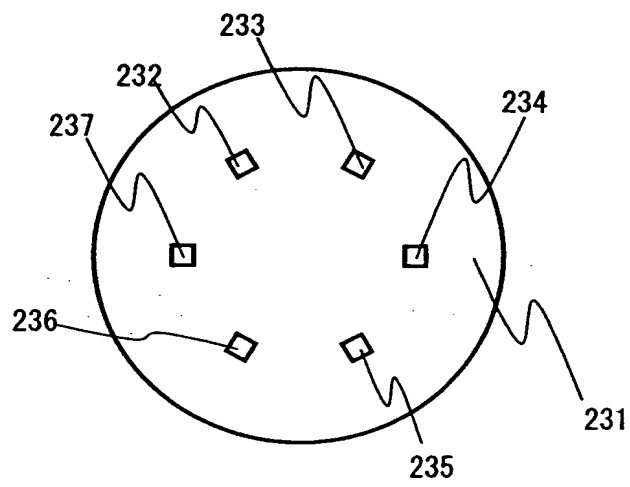


FIG. 18

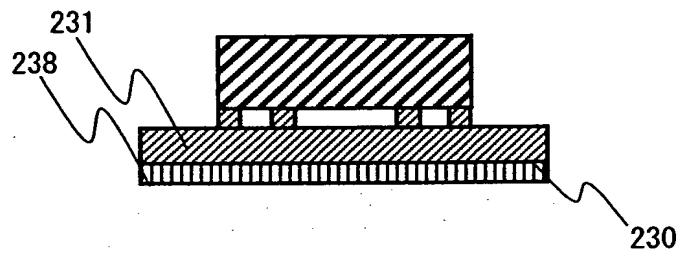


FIG. 19

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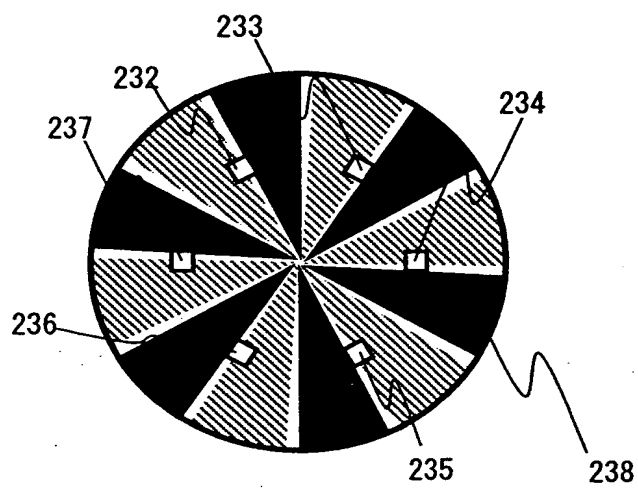


FIG. 20

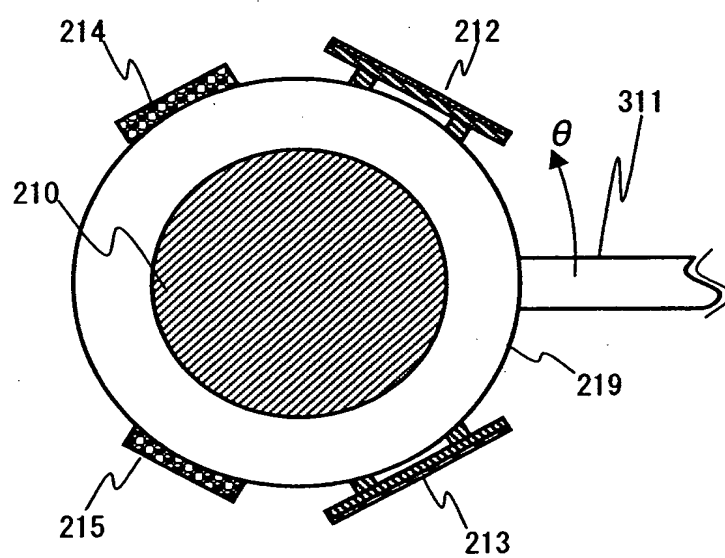


FIG. 21

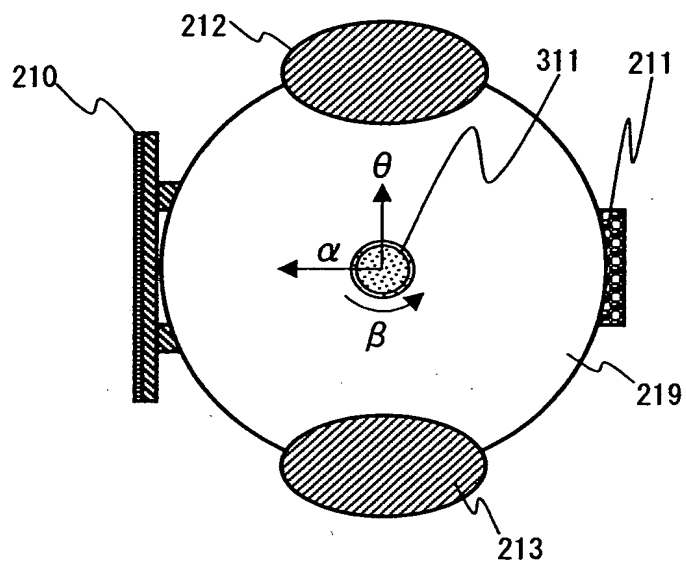


FIG. 22

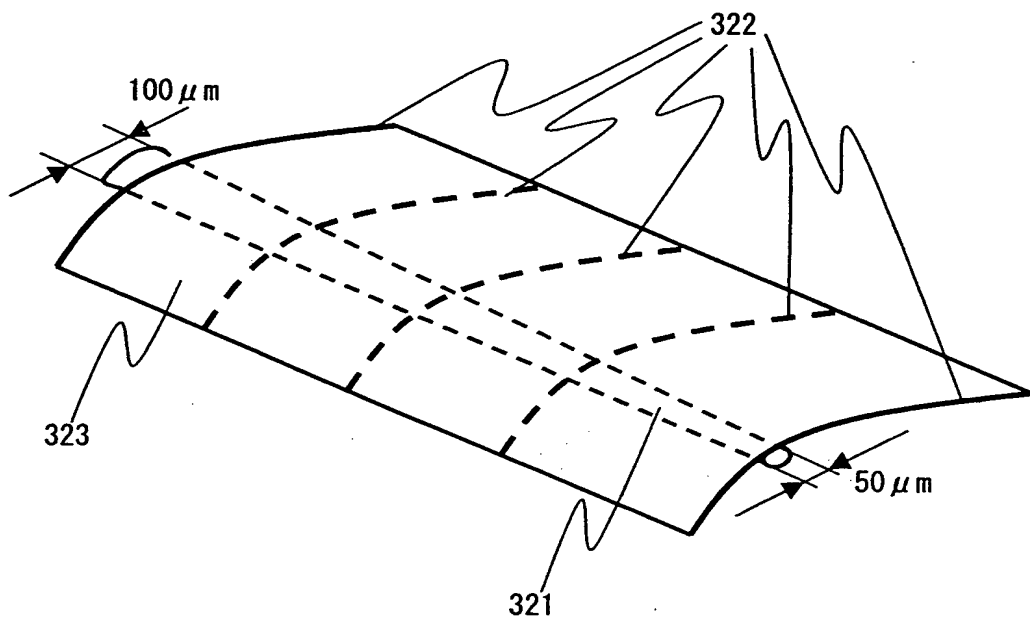


FIG. 23



1000541-02729

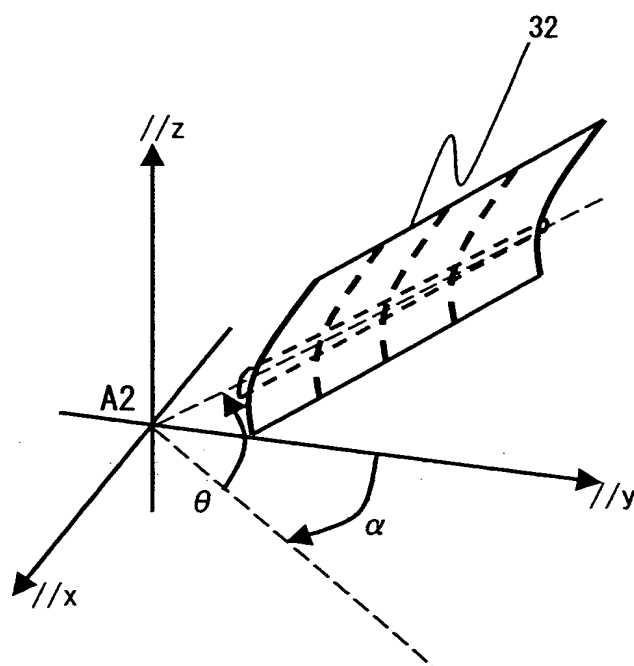


FIG. 24

Figure 1 is a perspective view of a rectangular plate 32. A coordinate system is shown with a vector  $A_2$  and a direction  $//x$ . The plate is tilted at an angle  $\beta$  relative to a horizontal dashed line. The plate is labeled  $p_1$  and  $p_0$ .

FIG. 25

Age	Sex	Height	Weight	Body Mass Index	Waist Circumference	Waist-Hip Ratio	Trunk Fat (%)	Visceral Fat (cm <sup>3</sup> )	Subcutaneous Fat (cm <sup>3</sup> )	Visceral Fat Index	Subcutaneous Fat Index
20	Male	170	65	22.0	85	0.85	15	100	200	0.001	0.002
25	Male	175	75	24.2	90	0.88	18	120	250	0.001	0.002
30	Male	180	85	26.3	95	0.90	20	150	300	0.001	0.002
35	Male	185	95	28.4	100	0.92	22	180	350	0.001	0.002
40	Male	190	105	30.5	105	0.94	25	220	400	0.001	0.002
45	Male	195	115	32.6	110	0.96	28	280	450	0.001	0.002
50	Male	200	125	34.7	115	0.98	30	350	500	0.001	0.002
55	Male	205	135	36.8	120	1.00	32	420	550	0.001	0.002
60	Male	210	145	38.9	125	1.02	35	500	600	0.001	0.002
65	Male	215	155	41.0	130	1.04	38	600	650	0.001	0.002
70	Male	220	165	43.1	135	1.06	40	700	700	0.001	0.002
75	Male	225	175	45.2	140	1.08	42	800	750	0.001	0.002
80	Male	230	185	47.3	145	1.10	45	900	800	0.001	0.002
85	Male	235	195	49.4	150	1.12	48	1000	850	0.001	0.002
90	Male	240	205	51.5	155	1.14	50	1100	900	0.001	0.002
95	Male	245	215	53.6	160	1.16	52	1200	950	0.001	0.002
100	Male	250	225	55.7	165	1.18	55	1300	1000	0.001	0.002
20	Female	160	55	21.5	80	0.80	12	80	150	0.001	0.001
25	Female	165	65	23.6	85	0.83	15	100	180	0.001	0.001
30	Female	170	75	25.7	90	0.86	18	120	200	0.001	0.001
35	Female	175	85	27.8	95	0.89	20	150	220	0.001	0.001
40	Female	180	95	29.9	100	0.92	22	180	240	0.001	0.001
45	Female	185	105	32.0	105	0.95	25	220	260	0.001	0.001
50	Female	190	115	34.1	110	0.98	28	280	280	0.001	0.001
55	Female	195	125	36.2	115	1.00	30	350	300	0.001	0.001
60	Female	200	135	38.3	120	1.02	32	420	320	0.001	0.001
65	Female	205	145	40.4	125	1.04	35	500	340	0.001	0.001
70	Female	210	155	42.5	130	1.06	38	600	360	0.001	0.001
75	Female	215	165	44.6	135	1.08	40	700	380	0.001	0.001
80	Female	220	175	46.7	140	1.10	42	800	400	0.001	0.001
85	Female	225	185	48.8	145	1.12	45	900	420	0.001	0.001
90	Female	230	195	50.9	150	1.14	48	1000	440	0.001	0.001
95	Female	235	205	53.0	155	1.16	50	1100	460	0.001	0.001
100	Female	240	215	55.1	160	1.18	52	1200	480		

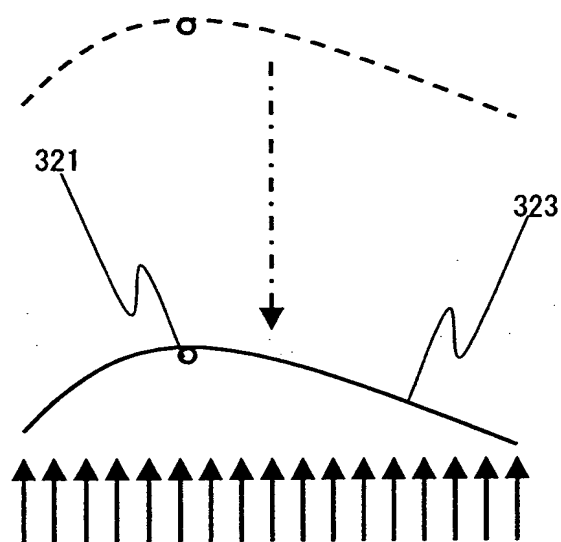


FIG. 26

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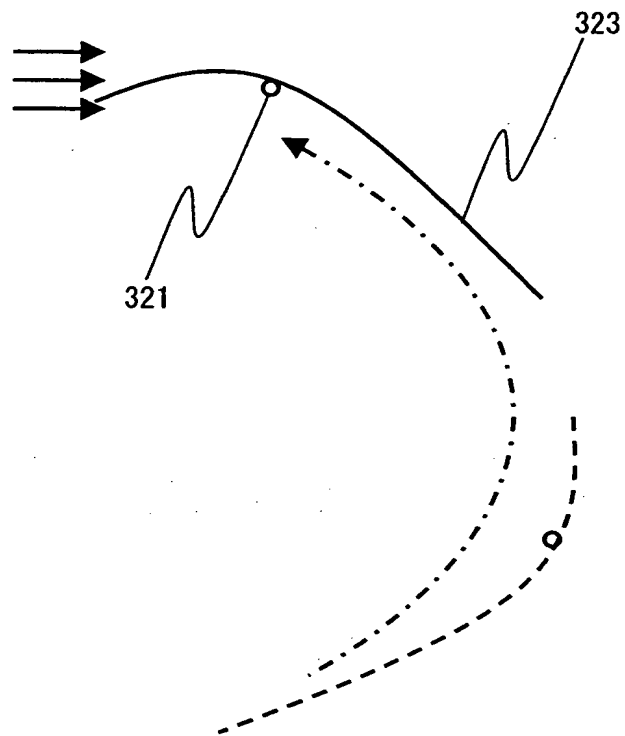


FIG. 27

2022-10-20 14:22:22

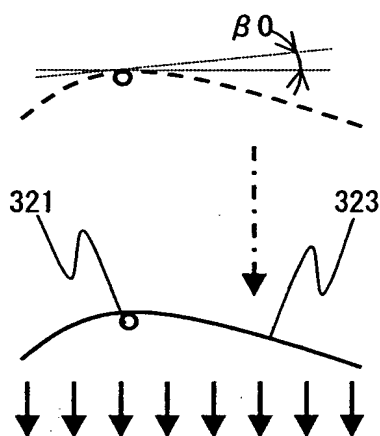


FIG. 28

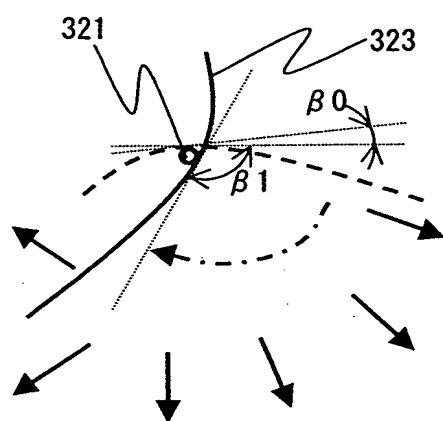


FIG. 29

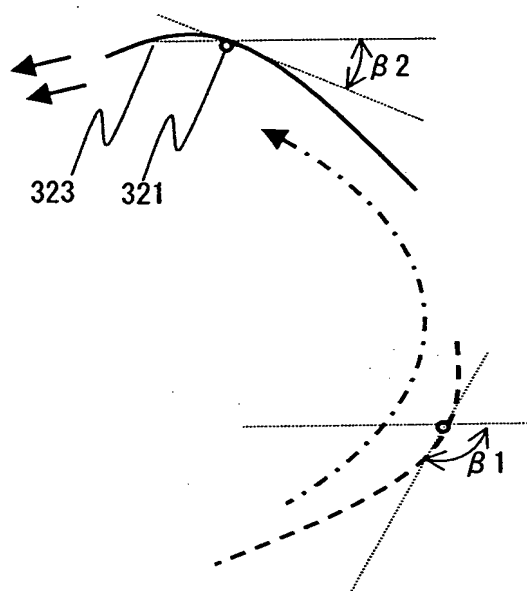


FIG. 30

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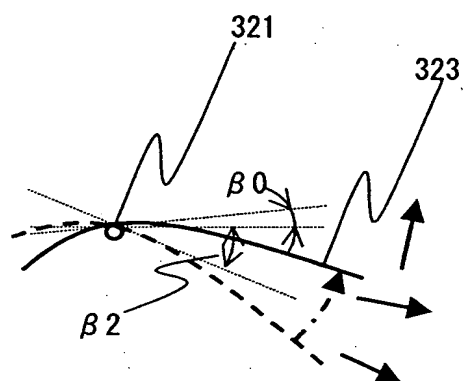


FIG. 31



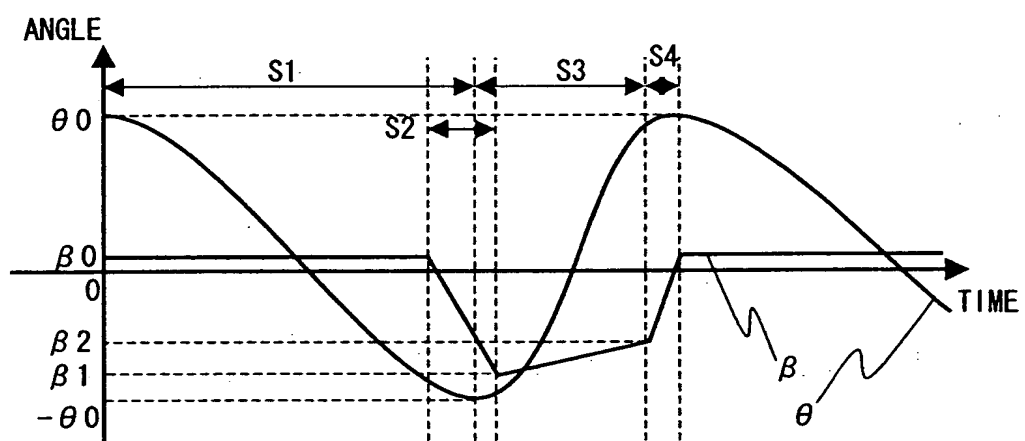


FIG. 32

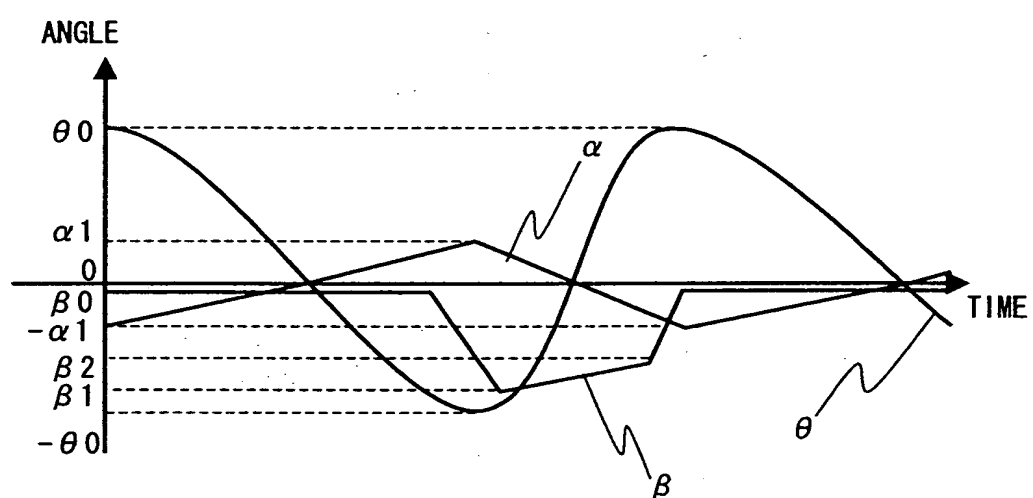


FIG. 33

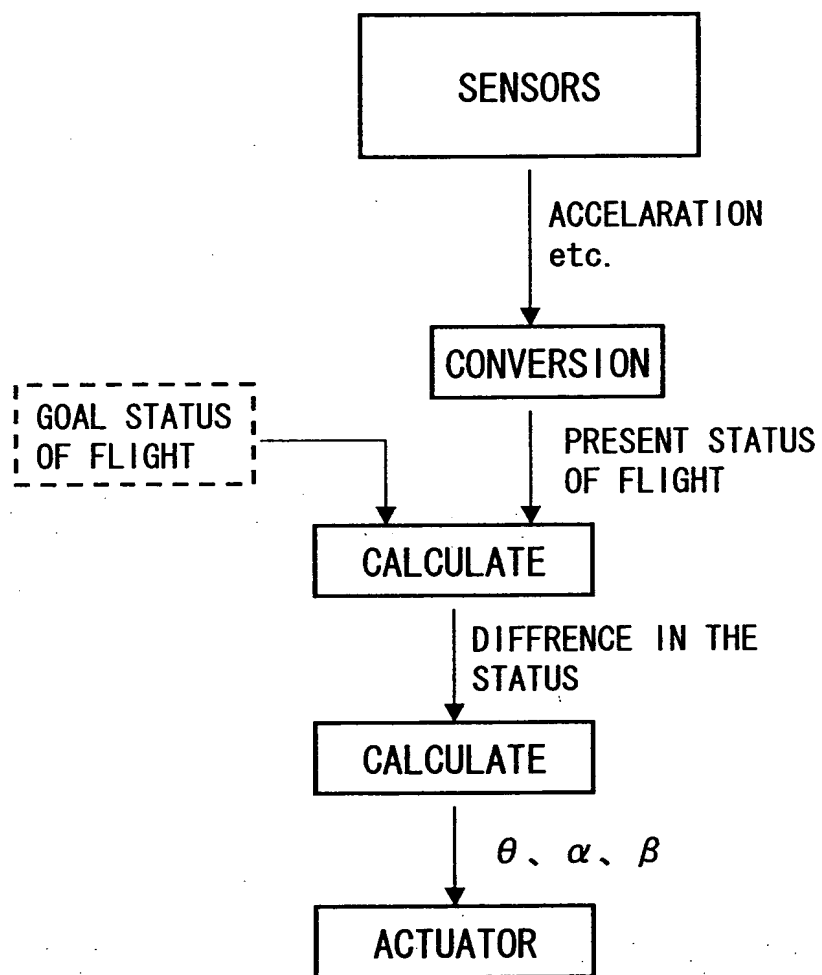


FIG. 34

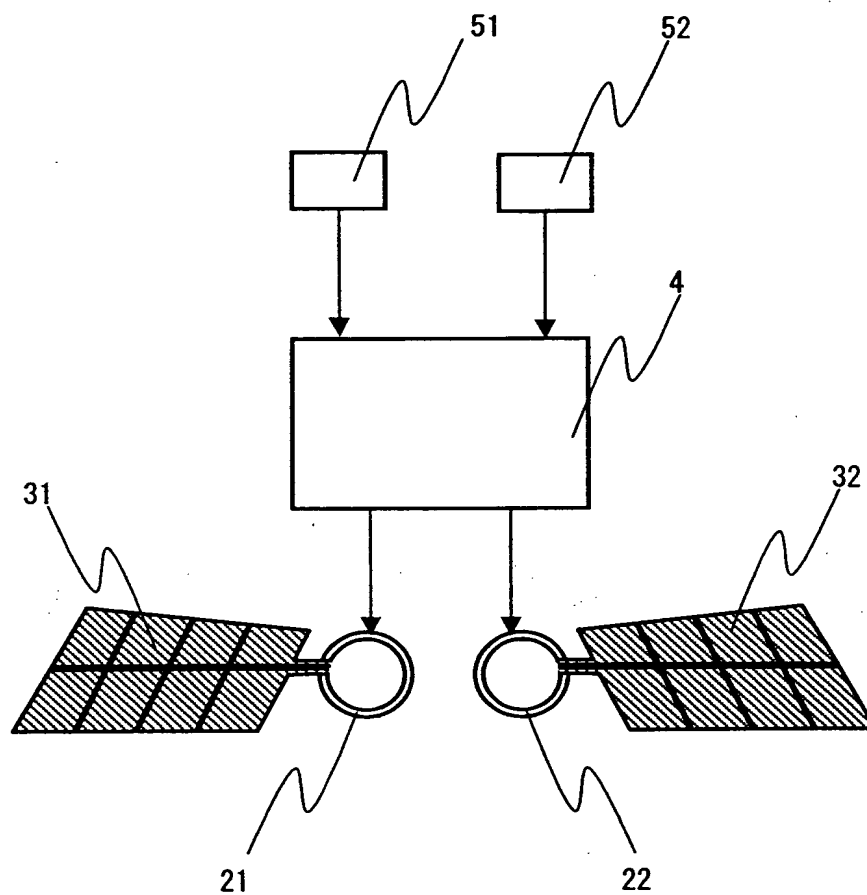


FIG. 35

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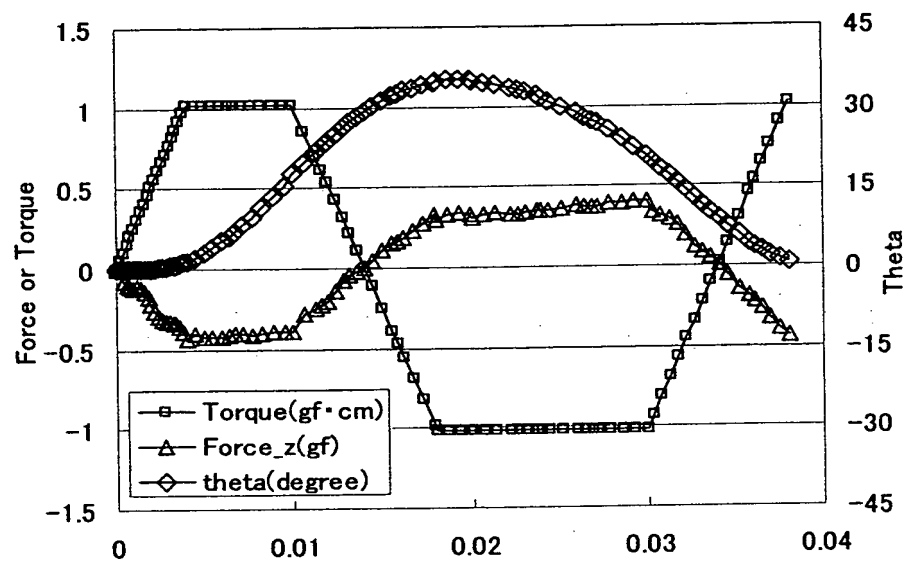


FIG. 36

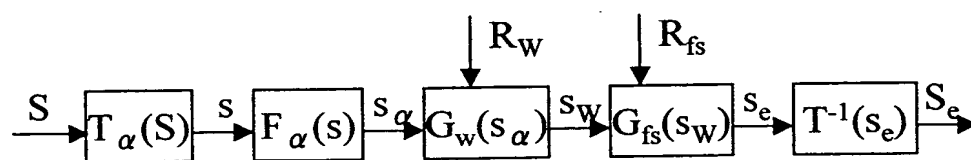


FIG. 37

2022-07-07 14:04:04

		$x''$	$+x''$	$-z''$	$+z''$	$-\theta_y''$	$+\theta_y''$
S1	stroke $\theta \uparrow$			●			
	stroke $\theta \downarrow$				●		
	$-d\theta/dt \uparrow$			●			
	$-d\theta/dt \downarrow$				●		
	$-d\alpha/d\theta > d\alpha_{th}$	●					
	$-d\alpha/d\theta < d\alpha_{th}$		●				
	$\beta$ is about vertical to stroke direction.			●			
	$\beta$ is not vertical to stroke direction.				●		
	$\beta > 0$	●					
	$\beta < 0$		●				
S2	$-d\beta/dt \uparrow$	●		●		●	
	$-d\beta/dt \downarrow$		●		●		●
S3	stroke $\theta \uparrow$				●		
	stroke $\theta \downarrow$			●			
	$d\theta/dt \uparrow$				●		
	$d\theta/dt \downarrow$			●			
	$d\alpha/d\theta > d\alpha_{th}$		●				
	$d\alpha/d\theta < d\alpha_{th}$	●					
	$\beta$ is about vertical to stroke direction.				●		
	$\beta$ is not vertical to stroke direction.			●			
S4	$d\beta/dt \uparrow$	●			●		●
	$d\beta/dt \downarrow$		●	●		●	

FIG. 38

	RIGHT ACTUATOR		LEFT ACTUATOR	
	DRIVING FREQ.	MOTION PATTERN	DRIVING FREQ.	MOTION PATTERN
UP	35Hz	B	35Hz	B
DOWN	25Hz	B	25Hz	B
GO FORWARD	30Hz	A	30Hz	A
HOVER	30Hz	B	30Hz	B
TURN RIGHT	30Hz	B	30Hz	A
TURN LEFT	30Hz	A	30Hz	B

FIG. 39



FIG.40

